

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 93-120
NPDES NO. CA0038563

REISSUING WASTE DISCHARGE REQUIREMENTS FOR:

CITY OF MOUNTAIN VIEW
SHORELINE SMALL BOAT LAKE
MOUNTAIN VIEW
SANTA CLARA COUNTY

The California Regional Water Quality Control Board, San Francisco Bay Region
(hereinafter called the Board) finds that:

1. The City of Mountain View (hereinafter called the discharger) by application dated September 19, 1990, has applied for reissuance of waste discharge requirements under the National Pollutant Discharge Elimination System.
2. The discharger presently discharges a dry weather flow of 6.6 million gallons per day (mgd) from its 50-acre lake. The discharger proposes to discharge waste containing pollutants into San Francisco Bay, a water of the United States, at two points:

Waste 001 consists of approximately 6.6 mgd of saline lake water and surface drainage to the lake. The waste would be discharged to Mountain View Slough at Longitude N 37° 25' 53" and Latitude W 122° 05' 12". During dry weather the waste consists primarily of water pumped into the lake from Charleston Slough. During wet weather the discharge also contains runoff from nearby landscaped areas.

Waste 002 consists of a discharge occurring no more than twice each year of approximately 3,250 gallons of lake water to the nearby Coast Casey stormwater forebay to control weed growth and maintain stormwater retention capacity. The discharge mixes with urban storm runoff which is pumped into the Palo Alto Flood Control Basin which empties into South San Francisco Bay.

3. Discharge of Wastes 001 and 002 is governed by Waste Discharge Requirements contained in Order No. 86-12 which allows discharge to San Francisco Bay.
4. The Board amended its Water Quality Control Plan for the San Francisco Bay Region (Basin Plan) on September 16, 1992, and the State Water Resources Control Board approved it on April 27, 1993. The Basin Plan contains water quality objectives for San Francisco Bay and contiguous waters.

5. The beneficial uses of San Francisco Bay, South Bay (south of the Dumbarton Bridge) and contiguous water bodies are:

- Water contact recreation
- Non-contact water recreation
- Wildlife habitat
- Preservation of rare and endangered species
- Estuarine habitat
- Fish migration
- Fish spawning (potential use)
- Industrial service supply
- Shellfish harvesting
- Navigation
- Commercial and sport fishing

6. The beneficial uses of the Small Boat Lake are:

- Water contact recreation
- Non-contact water recreation
- Wildlife habitat
- Preservation of rare and endangered species
- Estuarine habitat

7. The lake water has limited and controlled exchange with San Francisco Bay, and is, therefore, susceptible to unusually dense biological growth and resulting nuisance conditions. Lake water discharge into the Bay is a discharge of pollutants as defined in Section 502 of the Clean Water Act.
8. An acceptable Final Lake Management Plan was submitted on September 19, 1990 for the purpose of providing lake management and regulatory personnel with a source of information describing all equipment, facilities, and recommended operating strategies, process control monitoring, and maintenance activities necessary to assure consistent compliance and/or minimize non-compliance. Review of and improvement upon the operating strategies given in the Plan has occurred and is ongoing.
9. Applications of biocides, specifically herbicides, has not been proposed by the discharger in the Final Lake Management Plan or elsewhere.
10. The Small Boat Lake is surrounded by a closed landfill that potentially threatens lake water quality. The landfill has been closed in accordance with a plan approved by the Board. Monitoring is necessary to detect any leachate entering the lake.

11. This Order serves as an NPDES permit, issuance of which is exempt from the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code (CEQA) pursuant to Section 13389 of the California Water Code.
12. The discharger and interested agencies and persons have been notified of the Board's intent to reissue requirements for the existing discharges and have been provided with the opportunity for a public hearing and the opportunity to submit their written views and recommendations.
13. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that the City of Mountain View in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder and the provisions of the Clean Water Act as amended and regulations and guidelines adopted thereunder shall comply with the following:

A. Discharge Prohibitions

1. The discharge of any sewage or industrial waste to the Small Boat Lake is prohibited. The prohibition does not apply to normal stormwater runoff from adjacent land areas.
2. The application of biocides is prohibited unless it has been demonstrated to the satisfaction of the Board and the Department of Fish and Game that a net environmental benefit results from their application. Should the use of biocides become necessary during the life of this permit, written approval must be first obtained from the Executive Officer of the Regional Board.

B. Lake Water Limitations

1. The discharger shall maintain the following limits of water quality:
 - a. Chlorophyll a: less than 50 $\mu\text{g/l}$ increase above the Mountain View Slough concentration;
 - b. Dissolved oxygen: 5.0 mg/l minimum, as measured at approximately 12:00 p.m. (noon);
 - c. pH: 6.5 - 8.5

- d. The moving median value for the MPN of total coliform in any five (5) consecutive effluent samples shall not exceed 240 coliform organisms per 100 milliliters. Any single sample shall not exceed 1,000 MPN/100 ml.
2. The discharger shall not cause the following conditions at any point in the lake:
- a. Floating, suspended, or deposited macroscopic particulate matter, or foam above natural background levels in San Francisco Bay and Mountain View Slough;
 - b. Significant increase in apparent color or turbidity beyond natural background levels in San Francisco Bay and Mountain View Slough;
 - c. Aquatic growths in quantities sufficient to create a nuisance condition as defined in the California Water Code;
 - d. Visible, floating, suspended, or deposited oil or other petroleum products;
 - e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause detrimental effects on wildlife, waterfowl, or aquatic biota, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.

C. Receiving Water Limitations (San Francisco Bay and Mountain View Slough)

1. The discharge of waste shall not cause the following conditions to exist in waters of the State at any place:
- a. Floating, suspended, or deposited macroscopic particulate matter, or foam above natural background levels in San Francisco Bay and Mountain View Slough;
 - b. Significant increase in apparent color or turbidity beyond natural background levels in San Francisco Bay and Mountain View Slough;
 - c. Aquatic growths in quantities sufficient to create a nuisance condition as defined in the California Water Code;
 - d. Visible, floating, suspended, or deposited oil or other petroleum products;
 - e. Toxic or other deleterious substances to be present in concentrations or quantities which will cause detrimental effects on wildlife, waterfowl, or aquatic biota, or which render any of these unfit for human consumption

either at levels created in the receiving waters or as a result of biological concentration.

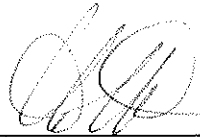
2. The discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Board or the State Water Resources Control Board as required by the Clean Water Act and regulations adopted thereunder. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Clean Water Act, or amendments thereto, the Board will revise and modify this Order in accordance with such standards.

D. Provisions

1. The discharger shall comply with all sections of this Order immediately upon adoption.
2. Order No. 86-12 is hereby rescinded.
3. The Final Lake Management Plan (submitted September 19, 1990) shall serve as the basis for lake operation and procedures set forth therein shall be followed.
4. The discharger shall review and update its Lake Management Plan annually, or in the event of significant facility or process changes, shortly after such changes have occurred. Annual revisions, or a statement that no changes are needed, shall be submitted to the Board with the first quarterly self-monitoring report of each year (due April 15).
5. The discharger shall comply with the attached self-monitoring program as adopted by the Board and as may be amended by the Executive Officer.
6. The discharger shall notify the Board immediately of any detection of leachate from the landfill entering the Small Boat Lake. A written report shall be submitted within ten (10) working days of notification describing the conditions, the actions the discharger will take to correct the problem, and a time schedule for compliance.
7. The discharger shall comply with all items of the attached "Standard Provisions, Reporting Requirements and Definitions," dated August 1993 with the exception of Provisions A.5, A.7, A.8, B.1-B.4, C.1-C.2, and D.3.
8. This Order expires on October 20, 1998. The discharger must file a Report of Waste Discharge in accordance with Title 23, Chapter 3, Subchapter 9 of the California Administrative Code not later than 180 days in advance of the expiration date as application of issuance of new Waste Discharge Requirements.

10. This Order shall serve as a National Pollutant Discharge Elimination System Permit pursuant to Section 402 of the Clean Water Act or amendments thereto, and shall become effective ten (10) days after the date of its adoption provided the Regional Administrator, EPA, has no objection. If the Regional Administrator objects to its issuance, the permit shall not become effective until such objection is withdrawn.

I, Steven R. Ritchie, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on October 20, 1993.



STEVEN R. RITCHIE
Executive Officer

Attachments:

Location Maps

Self-Monitoring Program

Standard Provisions, Reporting Requirements, and Definitions (August 1993)



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR
CITY OF MOUNTAIN VIEW

SHORELINE SMALL BOAT LAKE

SANTA CLARA COUNTY

NPDES NO. CA0038563

ORDER NO. 93-120

CONSISTING OF
PART A (Dated August 1993) and PART B

SELF-MONITORING PROGRAM
FOR
CITY OF MOUNTAIN VIEW

PART B

I. DESCRIPTION OF SAMPLING STATIONS

A. INTAKE

<u>Station</u>	<u>Description</u>
I-1	At a point in Charleston Slough immediately adjacent to the Small Boat Lake intake structure, as indicated on the attached map.

B. EFFLUENT

<u>Station</u>	<u>Description</u>
E-1	At a point in the Small Boat Lake immediately adjacent to the overflow structure, as indicated on the attached map.

C. SMALL BOAT LAKE WATER

<u>Station</u>	<u>Description</u>
SML-1	At a point in the Small Boat Lake, near the boat launching area located along the east shore, in the vicinity of "SML-1" shown on the attached map.
SML-2	At the end of the boardwalk located at the west end of the Small Boat Lake, shown as "SML-2" on the attached map.

D. RECEIVING WATERS

<u>Station</u>	<u>Description</u>
R-1	At a point in Mountain View Slough located at least 100 feet north of the sailing lake discharge location, in the vicinity of "R-1" on the attached map.

R-2

At a point in Mountain View tidal marsh in the vicinity of "R-2" on the attached map.

II. SCHEDULE OF SAMPLING, MEASUREMENT, AND ANALYSIS

- A. The schedule of sampling and analysis shall be that given as Table 1.

III. MODIFICATION OF PART A DATED AUGUST 1993

- A. Part A of the Self-Monitoring Program is modified to exclude the following paragraphs:

C.1, C.2.a, C.2.c, C.2.f, C.2.g, C.4.a, D.4, D.5, E, F.4.g, F.5.

- B. 1. Paragraph G.4.e is modified to include the following:
Effluent data summary shall be sent only to the Regional Board and does not need to be sent to the Environmental Protection Agency, Region IX.
2. Self-monitoring reports shall be submitted quarterly.

I, Steven R. Ritchie, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

1. Has been developed in accordance with the procedures set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Board Order No. 93-120.
2. Has been ordered by the Board on October 20, 1993.
3. May be revised by the Executive Officer pursuant to federal regulations (40 CFR 122.36); other revisions may be ordered by the Board.



STEVEN R. RITCHIE
Executive Officer

Attachments:

Table 1

Part A (dated August 1993)

TABLE 1
SCHEDULE FOR SAMPLING, MEASUREMENT, AND ANALYSIS
City of Mountain View
Shoreline Small Boat Lake

SAMPLING STATIONS→	I-1 ¹	E-1	SML-1	SML-2	R-1 ²	R-2 ²
TYPE OF SAMPLE→	G	G	G	G	G	G
Flow Rate (mgd)		D ³				
Turbidity (NTU)	M		M	M	2M ⁴	2M ⁴
pH	M	M			2M	2M
Chlorophyll a (µg/l)	M		M	M	2M	2M
Dissolved Oxygen (mg/l)		M ^{4,5}	M	M ⁵		
Oil & Grease (mg/l)		2M				
Total Coliform (MPN/100ml)		M ⁵	M ⁵	M ⁵		
Temperature (°C)	M ⁵	M ⁵	M ⁵	M ⁵	2M ⁵	2M ⁵
All Applicable Standard Observations		M ^{5,6}	M ^{5,6}	M ^{5,6}	2M ^{5,6}	2M ^{5,6}

TYPE OF SAMPLE FREQUENCY OF SAMPLING

G = Grab Sample D = Daily, M = Once each month, 2M = Once every two months

¹ Samples of intake water shall be collected on days coincident with sampling of Small Boat Lake water.

² Station R-1 to be sampled every two months beginning in January of each year; Station R-2 to be sampled every two months beginning in February of each year (i.e., on alternate months from R-1).

³ To be estimated based on the daily influent pumping rate.

⁴ To be sampled while discharge from the Small Boat Lake is occurring.

⁵ Sampling frequency shall be increased to twice per month during May through September.

⁶ Small Boat Lake water standard observations shall be the same as those described for receiving waters in Part A, Paragraph E.1.

